

Amendment to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-4. Cancelled - without disclaimer or prejudice.

5. (New) A transmitting and receiving switching circuit of a wireless communication system including a mixer mixing a filtered signal output from a second filter portion with a local oscillator frequency from a local oscillator and an intermediate frequency filtering portion which filters an intermediate frequency output from the mixer comprising:

a controller, a selecting portion, connected to an input of the controller, which determines a transmitting or receiving frequency according to operation of the selecting portion and a band selecting portion, connected to an output of the controller which causes selection of an input signal of an upper band or a lower band of a received signal which passes through an antenna and a duplexer while generating a first control signal for determining a transmit frequency of the system;

first and second switching portions respectively connected at outputs thereof to a first filter portion and to the second filter portion including upper and lower bands, which are switched in response to a second control signal output by the band selecting portion and which selects any one of the upper and lower bands

corresponding to the received signal which passes through the antenna and the duplexer; and

a transmit mode determining portion, coupled to the band selecting portion, which transmits a transmit signal with a transmit frequency determined by the first control signal output from the band selection portion; and wherein

the first filter portion is connected at an output thereof to an amplifying portion which amplifies a filtered signal output from the first filter portion and outputs an amplified filtered signal to the second filter portion through the second switching portion, and the second filter portion is connected between the amplifying portion and the mixer and which filters a received signal passing through the second filter portion.

6. (New) A transmitting and receiving switching method of a wireless communication system for judging whether the wireless communication system is in a transmission mode or in a receiving mode to determine a transmitting or receiving frequency comprising the steps of:

first automatically switching a transmitting channel and a receiving channel to place the transmitting channel on an upper band and the receiving channel on a lower band;

performing a transmitting or receiving operation in association with another communication system corresponding thereto after the first transmitting or receiving channel switching;

judging whether the transmitting or receiving operation is finished and when finished switching the transmitting or receiving mode into a waiting mode;

judging whether the wireless communication system is in another mode of the transmitting mode and receiving mode to determine another transmitting or receiving mode; and

second automatically switching the transmitting channel and the receiving channel to place the transmitting channel on the upper band and the receiving channel on the lower band.